

## How to Use Hand Hack Saw Blades and Frames for Best Results

1. Select a blade of the proper length and with exactly the correct number of teeth per inch.

2. Use a good frame and see that the studs will not twist or wiggle and that the back does not bend.

3. Tighten the blade in the frame just as taut as you can without using a wrench or other tools to do it.

4. See that the piece to be cut is held as firmly as possible. Thin pieces of metal should be held between pieces of wood, or cut at an angle to protect the teeth of the blade.

5. Start the cut by scratching or scribing at the place desired.

6. Hold the frame firmly in both hands and make the stroke by swaying forward and backward on your feet and not by moving your arms from your shoulders.

7. Saw slowly and apply a heavy pressure on the cutting stroke and relieve the pressure on the return stroke so the teeth of the blade will not be dulled by dragging on the non-cutting stroke. A SILVER STEEL Blade will cut better with a heavy feed on the cutting stroke. Do not saw faster than forty strokes per minute.

8. If you saw too rapidly, you will not cut any faster, but will just wear out the blade by rubbing. Sawing is like eating—if you work too fast you will choke the teeth, you will cut crooked and will not accomplish as much work as the man who saws slowly, but puts all his strength into each cutting stroke.

# Atkins Silver Steel and AAA Alloy Hack Saw HAND Blades POWER

A Hack Saw Blade is no better than the steel from which it is made. That's why Atkins SILVER STEEL and AAA Alloy Hack Saw Blades are manufactured from the finest materials obtainable.

Likewise the tempering process used in manufacturing Hack Saws has a great deal to do with service they give in actual use. In the manufacture of Atkins Hack Saw Blades an exclusive tempering process is used, prescribed by Atkins' own metallurgists. All blades are accurately hardened and tempered in the most modern type of electrical furnaces automatically controlled. Therefore, there are no variations in temper that might occur if out-of-date methods of tempering were used. Maximum toughness and edge holding qualities are found in every Atkins Hack Saw.

Every Hack Saw user is interested in lowering his metal cutting cost. The use of Atkins SILVER STEEL and AAA Alloy Power and Hand Hack Saw Blades, with the correct tooth for the metal to be cut, goes a long way toward reducing costs and increasing production.

*Consider the fact that Atkins SILVER STEEL Hack Saw Blades with the "Blue End" are guaranteed to cut six times more metal than the ordinary so-called Tungsten Blades.*

*Atkins AAA Alloy Hack Saw Blades for use in hand Hack Saw Frames will outwear any other Alloy blades of the same dimensions.*

The Atkins line of Hack Saws includes a correct blade for every type of Hack Saw cutting. We are always ready to recommend the kind of saw you should use for best results and each Hack Saw blade box is marked with teeth per inch, length and cutting instructions for easy selection of proper blade.

It will, therefore, pay you to use nothing but Atkins Hack Saws. Don't deny yourself the finer results they assure. Specify them all the time.

## A Perfect Saw for Every Purpose

## ATKINS Hack Saw Frames and Metal Cutting Hand Saws

• Are Used by

MACHINE SHOPS

GARAGES

PLUMBERS

ELECTRICIANS

STEAM FITTERS

STRUCTURAL IRON WORKERS

RAILROAD SHOPS

CARPENTERS

HOME WORKSHOP OWNERS

MANUAL TRAINING

INSTRUCTORS

AIRPLANE MANUFACTURERS

SHIP YARDS

FOUNDRIES

AND OTHERS

**E. C. ATKINS AND COMPANY**

*Established 1857 The Silver Steel Saw People*

*Home Office and Factory*  
INDIANAPOLIS, INDIANA

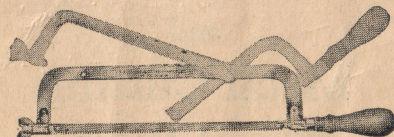
*In Canada:*  
Shurly-Dietrich-Atkins Company Ltd.  
Galt, Ontario

*Machine Knife Factory:* Lancaster, New York  
*Branches carrying complete stocks in the following cities:*

Atlanta, Ga.	Memphis, Tenn.	Chicago, Ill.
Klamath Falls, Ore.	New Orleans, La.	
New York City, N. Y.	Portland, Ore.	
San Francisco, Calif.	Seattle, Wash.	
	Paris, France	



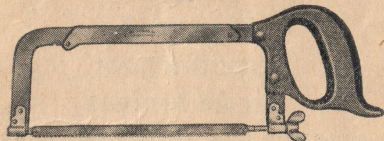
# Atkins Hack Saw Frames and Metal Cutting Hand Saws



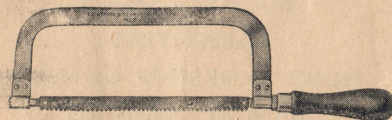
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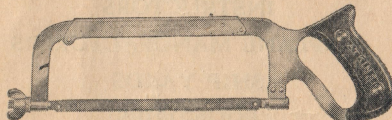
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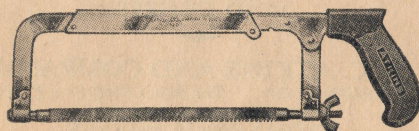
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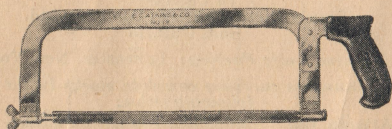
No. 8



No. 10



No. 11



No. 12

## Atkins Hoosier Extension Hack Saw Frame No. 1

Made of high grade steel, heavily nicked and polished. Takes blade 8" to 12" long; adjustable to four different cutting positions. Extra fine lacquered handle. Straight style. A favorite by many users.

## Atkins Indiana Solid Steel Hack Saw Frame No. 2

High grade solid steel frame, nicked and polished. Blade adjustable to four different cutting positions. Takes blade 8" to 12" long. Straight style handle, lacquer finished. A light but strong frame for any tool kit.

## Atkins Hack Saw Frame No. 4

Has extra large roomy grip handle, giving absolute control of Hack Saw. No chance to injure the user's hand. Frame 4 1/4" high and takes blade 8" to 12" long. Frame stiff and rigid, heavily nicked and buffed. Blade adjustable to four different angles. A remarkable tool for any kit.

## Atkins Hack Saw Frame No. 8

This Hack Saw Frame is of solid steel, very stiff and rigid, 3/8" thick. Handle of hardwood, lacquer finished. Can be furnished for either 8", 9", 10" or 12" blades. Many users prefer this style of frame.

## Atkins Hack Saw Frame No. 10

This frame is made of cold rolled steel 3/8" thick, nicked and polished. Perfectly balanced to direct entire stroke on cutting edge. Fitted with large non-breakable, hard rubber, pistol grip handle; gives perfect control. Frame adjustable for 8" to 12" blades; adjustable for cutting at four different angles. Our best Hack Saw Frame.

## Atkins Pistol Grip Hack Saw Frame No. 11

Made of extra high grade steel, strong and rigid, 5/32" thick, beautifully nicked and highly buffed. Adjustable for blades 8" to 12" long. Comfortable fitting, non-breakable pistol grip handle. No wrist or forearm strain.

## Atkins Heavy Duty Hack Saw Frame No. 12

This Hack Saw Frame is designed for mechanics who want an extra strong tool. The back is 1" x 1/4" heat-tempered spring steel. It will not bend under a strain. Pistol grip pattern handle.

Made to take 12" blades and it is 5 1/4" from tooth edge to the under edge of the back.

The blade can be adjusted to cut in four positions. The back is nickel-plated and polished.

*Every Atkins Hack Saw Frame, Blade, or Metal Cutting Hand Saw is scientifically designed for faster cutting, with less effort, than the cheap or unknown brands. Atkins products are TRADE MARKED with the Atkins name and that is your assurance you are getting the best value for your money.*

## Atkins Metal Cutting Hand Saw No. 22

This saw is same as our No. 21 in specifications except fitted with adjustable handle of apple-wood, carved and polished. Fastened to blade with nickel-plated lever bolt and screw. Highly recommended for cutting sheet metal where hack saws are impractical.

Lengths, inches.....18, 20, 22, 24, 26  
Points per inch.....15

## Atkins Plumber Saw No. 23

A very useful saw for cutting flooring. Teeth on both edges. Top edge toothed 5 1/2-point rip, bottom 8-point hand saw teeth. Large roomy grip handle, fastened to blade with two nicked screws.

Lengths, inches.....12, 14, 16, 18

## Atkins Cable Saw No. 24

Blade made of SILVER STEEL, toothed on both edges, 11 points per inch on one side, 14 points per inch on other. 11-point side set, adapted for cutting cables. Fitted with new style beech handle. Extra large grip permits user to wear gloves. Every cable man should have one in his kit.

Length.....16"

## Atkins Compass Saw No. 9

Blade made of SILVER STEEL taper ground for clearance. Fitted with interchangeable beech handle. Lacquer finished. Fastened to blade with nicked wing nut and screw. Electricians, plumbers, carpenters and others prefer this saw.

Lengths, inches.....10, 12, 14, 16

## Atkins No. 3 Nest of Saws

A handy combination set, consisting of beech handle, which is detachable and adjustable, 12" compass blade, 14" keyhole blade and 19" SILVER STEEL Metal Cutting Blade for cutting practically any kind of metal, especially nails where hand and small wood saws may be damaged.

## Atkins Metal Cutting Hand Saw No. 21

The blade is made of SILVER STEEL, straight back and breasted, 18 gauge on tooth edge, 20 gauge on back, and 23 gauge on the point. Teeth milled straight across. Tempered extra tough and hard. Cuts all classes of ordinary metal. Especially fine for sheet metal of all kinds.

Lengths, inches.....18, 20, 22, 24, 26  
Points per inch.....15



No. 22



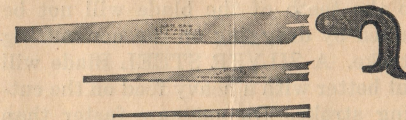
Plumbers' Saw



Cable Saw



No. 9



Atkins Nest of Saws—No. 3



No. 21